

(iii) The engine cooling system is modified or assembled so that temperatures or heat rejection rates are outside the original engine's specified ranges.

(3) The engine must have the emission control information label we require under 40 CFR part 86 or part 1048.

(4) You must demonstrate that fewer than 50 percent of the engine model's total sales, from all companies, are used in recreational vehicles.

(d) If you manufacture both the engine and vehicle under this exemption, you must do all of the following to keep the exemption valid:

(1) Make sure the original emission control information label is intact.

(2) Add a permanent supplemental label to the engine in a position where it will remain clearly visible after installation in the vehicle. In your engine's emission control information label, do the following:

(i) Include the heading: "Recreational Vehicle Emission Control Information".

(ii) Include your full corporate name and trademark.

(iii) State: "THIS ENGINE WAS ADAPTED FOR RECREATIONAL USE WITHOUT AFFECTING ITS EMISSION CONTROLS."

(iv) State the date you finished installation (month and year).

(3) Make sure the original and supplemental labels are readily visible after the engine is installed in the vehicle or, if the vehicle obscures the engine's emission control information label, make sure the vehicle manufacturer attaches duplicate labels, as described in § 1068.105 of this chapter.

(4) Send the Designated Officer a signed letter by the end of each calendar year (or less often if we tell you) with all the following information:

(i) Identify your full corporate name, address, and telephone number.

(ii) List the models you expect to produce under this exemption in the coming year.

(iii) State: "We produce each listed model for recreational application without making any changes that could increase its certified emission levels, as described in 40 CFR 1051.605."

(e) If we request it, you must send us emission test data on the applicable

recreational duty cycle(s). You may include the data in your application for certification under 40 CFR part 86 or part 1048, or in your letter requesting the exemption. We will generally not ask you for these data under normal circumstances, especially when they are more readily available from another source.

§ 1051.610 What are the provisions for producing recreational vehicles with engines already certified under the motor-vehicle program or the Large SI program?

(a) You may produce a recreational vehicle without certifying it under this part by using a certified motor vehicle engine, or Large SI engine. This section does not apply if you manufacture the engine yourself; see § 1051.605. In order to produce recreational vehicles under this section, you must meet all of the following criteria:

(1) The engine or vehicle is certified to 40 CFR part 86 or part 1048.

(2) The engine is not adjusted outside the certifying manufacturer's specifications (see § 1051.605(c)(2)).

(3) The engine or vehicle is not modified in any way that may affect its emission control. This does not apply to refueling emission controls.

(4) The vehicle is labeled consistent with paragraph (c) of this section.

(b)(1) The only requirements or prohibitions from this part that apply to a vehicle that is exempt under this section are in this section and § 1051.605.

(2) If the vehicles do not meet the criteria listed in § 1051.605(c) and paragraph (c) of this section, they will be subject to the standards and prohibitions of this part. Producing these vehicles without a valid exemption or certificate of conformity would violate the prohibitions in § 1068.101 of this chapter.

(3) Vehicles exempted under this section are subject to all the requirements affecting engines and vehicles under 40 CFR part 86 or part 1048, as applicable. The requirements and restrictions of 40 CFR part 86 or 1048 apply to anyone manufacturing these engines, anyone manufacturing vehicles that use these engines, and all other persons in the same manner as if these engines were used in a motor vehicle or other non-recreational application.

(c)(1) Make sure the original emission control information label is intact after assembly in the vehicle.

(2) Add a permanent supplemental label to the vehicle in a position where it will be clearly visible. In this emission control information label, do the following:

(i) Include the heading: “Recreational Vehicle Emission Control Information”.

(ii) Include your full corporate name and trademark.

(iii) State: “THIS ENGINE WAS ADAPTED FOR RECREATIONAL USE WITHOUT AFFECTING ITS EMISSION CONTROLS.”.

(iv) State the date you finished installation (month and year).

(3) Send the Designated Officer a signed letter by the end of each calendar year (or less often if we tell you) with all the following information:

(i) Identify your full corporate name, address, and telephone number.

(ii) List the models you expect to produce under this exemption in the coming year.

(iii) State: “We produce each listed model for recreational application without making any changes that could increase its certified emission levels, as described in 40 CFR 1051.605.”.

(d) If you build recreational vehicles under this section, we may require (as a condition of the exemption) that you comply with the emission-related warranty and recall responsibilities of this part.

(e) If you build a recreational vehicle using a motor vehicle engine that was certified as part of a vehicle-based engine family, we may require you to certify under this part instead of granting you an exemption under this part. If we do this, we may allow you to submit an abbreviated application for certification to show that you comply with the requirements of this part. You may reference the information in the original motor vehicle application.

§ 1051.615 What are the special provisions for certifying small recreational engines?

(a) You may certify ATVs with engines that have total displacement of less than 100 cc to the following emission exhaust standards instead of certifying them to the exhaust emission standards of subpart B of this part:

(1) 25.0 g/kW-hr HC+NO_x, with an FEL cap of 40.0 g/kW-hr HC+NO_x.

(2) 500 g/kW-hr CO.

(b) You may certify off-highway motorcycles with engines that have total displacement of 70 cc or less to the following emission exhaust standards instead of certifying them to the exhaust emission standards of subpart B of this part:

(1) 16.1 g/kW-hr HC+NO_x, with an FEL cap of 32.2 g/kW-hr HC+NO_x.

(2) 519 g/kW-hr CO.

(c) You may use the averaging, banking, and trading provisions of subpart H of this part to show compliance with this HC+NO_x standards (an engine family meets emission standards even if its family emission limit is higher than the standard, as long as you show that the whole averaging set of applicable engine families meet the applicable emission standards using emission credits, and the vehicles within the family meet the family emission limit). You may not use averaging to meet the CO standards of this section.

(d) Measure emissions by testing the engine on a dynamometer with the steady-state duty cycle described in Table 1 of this section.

(1) During idle mode, hold the speed within your specifications, keep the throttle fully closed, and keep engine torque under 5 percent of the peak torque value at maximum test speed.

(2) For the full-load operating mode, operate the engine at wide-open throttle.

(3) See part 1065 of this chapter for detailed specifications of tolerances and calculations.

(4) Table 1 follows: